DETAILED ACTION

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with David Roe (Registration No. 555785) at (972) 682-3693 on 09/02/2008.

The examiner amendment as follow:

Claims 4, 6, 11, 13, 17 and 19-20 are cancelled.

Claim 1. For use in a point-to-multipoint wireless network, a base station for

transmitting downstream data packets in a downstream traffic channel to customer

premises equipment (CPE) devices and receiving upstream data packets in an

upstream traffic channel from said CPE devices,

wherein said base station is capable of

for each of a plurality of said CPE devices, establishing a plurality of associated

queues;

receiving a link management message from a first one of said plurality of CPE

devices, the link management message requesting a change in bandwidth allocation for

an identified queue associated with said first CPE device, wherein said link

management message is associated with a wireless media access control (MAC) layer

protocol; and

in response to said link management message, re-allocating bandwidth from a

first queue associated with said first CPE device to a second queue;

wherein said base station allocates bandwidth to said second queue by

transmitting a first downstream data packet, wherein said first downstream data packet

comprises a Next Time Slot field capable of assigning a CPE device associated with

said second queue to transmit an upstream data packet in said upstream traffic channel

during a next time slot following receipt of said first downstream data packet;

wherein said first downstream data packet comprises a payload of data directed

to said first CPE device.

Claim 8. A point-to-multipoint wireless network comprising a plurality of base

stations, wherein each of said base stations transmits downstream data packets in a

downstream traffic channel to customer premises equipment (CPE) devices and

receives upstream data packet in an upstream traffic channel from said CPE devices,

wherein said each base station is capable of :

for each of a plurality of said CPE devices, establishing a plurality of associated

queues;

receiving a link management message from a first one of said plurality of CPE

devices, the link management message requesting a change in bandwidth allocation for

an identified queue associated with said first CPE device, wherein said link

management message is associated with a wireless media access control (MAC) layer

protocol; and

in response to said link management message, re-allocating bandwidth from a first queue associated with said first CPE device to a second queue,

wherein said each base station allocates bandwidth to said second queue by transmitting a first downstream data packet, wherein said first downstream data packet comprises a Next Time Slot field capable of assigning a CPE device associated with said second queue to transmit an upstream data packet in said upstream traffic channel during a next time slot following receipt of said first downstream data packet,

wherein said first downstream data packet comprises a payload of data directed to said first CPE device.

Claim 15. For use in a base station of a point-to-multipoint wireless network, the base station capable of communicating with a plurality of customer premises equipment (CPE) devices, a method of reallocating bandwidth among the CPE devices comprising the steps of:

transmitting downstream data packets in a downstream traffic channel to the CPE devices;

receiving upstream data packets in an upstream traffic channel from the CPE devices;

for each of a plurality of said CPE devices, establishing a plurality of associated queues;

receiving a link management message from a first one of said plurality of CPE devices, the link management message requesting a change in bandwidth allocation for

an identified queue associated with said first CPE device, wherein said link

management message is associated with a wireless media access control (MAC) layer

protocol; and

in response to said link management message, re-allocating bandwidth from a

first queue associated with said first CPE device to second queue,

wherein the step of reallocating bandwidth comprises the sub-step of:

transmitting a first downstream data packet, wherein the first downstream data

packet comprises a Next Time Slot field capable of assigning a CPE device associated

with the second queue to transmit an upstream data packet in the upstream traffic

channel during a next time slot following receipt of the first downstream data packet,

wherein the first downstream data packet comprises a payload of data directed to

the first CPE device.

Allowable Subject Matter

2.   The following is an examiner's statement of reasons for allowance:

According for the reason that Applicant's file on 08/18/2008 and the prior art

record.

Consider claims 1, (8 and 15 with similar recite limitation) **Bourlas et al. (US**

2002/0122395 A1) teaches for use in a point-to-multipoint wireless network, a base

station for transmitting downstream data packets in a downstream traffic channel to

customer premises equipment (CPE) devices and receiving upstream data packets in

an upstream traffic channel from said CPE devices (Abstract, Paragraphs [0027-0029]

teach base station 104 transmitting and receiving to/from plurality of CPE as in operates

on point-to-multipoint wireless network), wherein said base station is capable of:

receiving a link management message from a first one of said plurality of CPE

devices, the link management message requesting a change in bandwidth allocation for

an identified queue associated with said first CPE device, wherein said link

management message is associated with a wireless media access control (MAC) layer

protocol (Paragraphs [0009-0010], [0064] teach received bandwidth request and the

MAC reconstruct which means changing bandwidth allocation for an identified queue

associated with said first CPE device).

Dawidowsky (US 2004/0057461 A1) teaches in response to said link

management message, re-allocating bandwidth from a first queue associated with said

first CPE device to a second queue (Abstract, Paragraphs [0007-0008] teach the

bandwidth is re-allocation to connection).

However, neither alone or in combination of Bourlas and Dawidowsky **teach or**

fairly suggest that

for each of a plurality of said CPE devices, establishing a plurality of associated

queues,

wherein the step of reallocating bandwidth comprises the sub-step of:

transmitting a first downstream data packet, wherein the first downstream data

packet comprises a Next Time Slot field capable of assigning a CPE device associated

with the second queue to transmit an upstream data packet in the upstream traffic

channel during a next time slot following receipt of the first downstream data packet,

wherein the first downstream data packet comprises a payload of data directed to the first CPE device.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIET DOAN whose telephone number is (571)272-7863. The examiner can normally be reached on 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Appiah N. Charles can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/George Eng/
Supervisory Patent Examiner, Art Unit 2617

/Kiet Doan/
Examiner, Art Unit 2617